



PO Box 636 / 6506 Castle Dr  
 Mason, OH 45040  
 PH +1-513-282-0810 / FA +1-513-282-0811  
 WWW.STARCOMBUSTION.COM

## Process Air Heater Proposal Form

Contact:		Company:	
Title:		Address:	
Phone:		City/State/Zip:	
Email:		Your Ref #:	
Date:		SCS RFQ#:	

Description of Process:

Heating type:                                     Gas/oil burner                                     Steam                                     Electric

Type of heater required:                                     Direct fired                                     Indirect fired

Process stream to be heated:                                     Fresh Air                                     Re-Circulated Air                                     Process Gas

	Minimum	Nominal	Maximum
Process stream flow rate: <input type="checkbox"/> lb/hr <input type="checkbox"/> scfm <input type="checkbox"/> kg/hr <input type="checkbox"/> Nm <sup>3</sup> /hr			
Process stream inlet temperature: <input type="checkbox"/> °F <input type="checkbox"/> °C			
Process stream inlet pressure: <input type="checkbox"/> "wc <input type="checkbox"/> mbar			
Process stream inlet moisture: <input type="checkbox"/> lb/hr <input type="checkbox"/> scfm <input type="checkbox"/> kg/hr <input type="checkbox"/> Nm <sup>3</sup> /hr			
Process stream inlet oxygen content: <input checked="" type="checkbox"/> %			
Process stream outlet temperature: <input type="checkbox"/> °F <input type="checkbox"/> °C			

Type of fuel:    Natural gas    Propane gas    #2 fuel oil    #6 fuel oil    Other: \_\_\_\_\_

Fuel supply pressure: \_\_\_\_\_                                     "wc    psig    mbar    bar



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Fuel viscosity (if oil fired): \_\_\_\_\_ (specify units please)

Atomizing media (if oil fired):  Low pressure air  Compressed air  Steam

Atomizing media pressure: \_\_\_\_\_  "wc  psig  mbar  bar

Applicable safety codes:  NFPA 86  CSA  EN-746  Other: \_\_\_\_\_

Electrical power: \_\_\_\_\_ Electrical area classification: \_\_\_\_\_

Heater installation:  Inside  Outside

Heater configuration:  Horizontal firing  Vertical down  Vertical up

Site elevation: \_\_\_\_\_  ft AMSL  meters AMSL

NOx emissions limit: \_\_\_\_\_  ppm, @3% O2  ppm, @7% O2  lb/mmbtu  mg/MJ

CO emissions limit: \_\_\_\_\_  ppm, @3% O2  ppm, @7% O2  lb/mmbtu  mg/MJ

Scope of supply:

Process air fan:  Include  Exclude

Process air fan ductwork (fan to heater):  Include  Exclude

Burner management controls with PLC fault annunciation:  Include  Exclude

Temperature controls:  Include  Exclude

Temperature sensors:  Include  Exclude

Process controls (start/stop motors, system control):  Include  Exclude

Combustion air duct work (fan to heater):  Include  Exclude

Oil pump (if oil fired):  Include  Exclude

Oil heater (if heavy oil):  Include  Exclude

Proposal request date: \_\_\_\_\_

Equipment delivery date: \_\_\_\_\_